

SURGICAL HANDPIECE MAINTENANCE

Powered Surgical Instrument Guidelines

Delaware-Hudson Handpiece Express provides this surgical instrument maintenance guideline as a supplement to your original manufacturer's maintenance and operation procedures. We always recommend that you follow your manufacturer's maintenance guidelines with confidence in lieu of any procedures we recommend here. Contact us with any questions you may have: 1-877-879-0165 Fax (570) 296-2706 dhhe@ptd.net



A. Immediately Following A Procedure

1. The handpiece should be in the horizontal position during transport to prevent fluids from entering the handpiece
2. Wipe down the handpiece and air hose with enzymatic detergent
3. Remove all attachments and bur. **DO NOT REMOVE THE SUPPLY LINE AT THIS TIME**

B. Rinsing A Surgical Handpiece

1. Electrically powered handpieces: wipe thoroughly with enzymatic detergent until all contaminants are removed. Skip to "Sterilization" steps now
2. Pneumatic devices and attachments: Rinse the handpiece with warm water while pointing the collet opening downward. This will prevent fluid from entering the collet of the handpiece
3. The rinsing process should remove all blood, fluids, and tissue. **NEVER IMMERSSE THE HANDPIECE IN ANY TYPE OF FLUID OR LIQUID FOR ANY PERIOD OF TIME**

C. Disinfecting A Surgical Handpiece

1. Using a mild enzymatic cleaner (having a neutral pH value) with warm water and a sponge or towel, remove any remaining contaminants
2. With supply hose still attached, rinse the handpiece under warm running water with collet opening facing downward
3. **DO NOT EXPOSE THE HANDPIECE TO BLEACH OR ANY OTHER CORROSIVE CHEMICALS. THIS CAN CAUSE SEVERE PITTING OF THE HANDPIECE AND MAY VOID ANY WARRANTIES**

D. Sterilizing A Surgical Handpiece

1. Prior to autoclaving the handpiece, check for handpiece functionality:
 - a. Check for air leaks from the hose and handpiece
 - b. Make sure the bur locks into the collet properly. If you can pull the bur out with your hand while the collet is in the 'locked' position, the handpiece will need repair service as the collet is not operating properly. **Do not use the handpiece until it has been serviced**
 - c. Run the handpiece for 30-40 seconds. If the handpiece has an inconsistent sound frequency during operation OR the handpiece heats up, the handpiece will need to be serviced. **Do not use the handpiece until it has been serviced**
2. Autoclave the surgical instrument according to the manufacturer's guidelines for sterilization
3. Allow the drying cycle to complete 100%. The complete drying cycle is necessary to insure the complete removal of internal moisture. Any moisture left internally will lead to corrosion and pitting of the handpiece
4. Remove the instrument from the autoclave and allow the instrument to cool down completely to room temperature. Heavier, denser instruments will need more time than lighter, smaller instruments. **DO NOT FORCE COOL THE INSTRUMENT BY ANY MEANS. FORCED COOLING OF THE HANDPIECE WILL TRAP MOISTURE INSIDE THE HANDPIECE. THIS WILL CAUSE CORROSION AND PITTING OF THE HANDPIECE**